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Title

Phase II Field Sampling Plan for Targeted Brownfields Assessment: Rose and Walsh Smelter, San Juan County, Color
Draft Human Health Risk Evaluation Technical Memorandum: Rose and Walsh Smelter Site, San Juan County, Color
Analytical Results Report: Rose and Walsh Smelter, San Juan County, Colorado
ESAT Region 8 Chain of Custody Form, U.S. Environmental Protection Agency Region 8 Superfund Program Analytic
ESAT Region 8 Chain of Custody Form, U.S. Environmental Protection Agency Region 8 Superfund Program Analytic
CD: A. Schmidt Presentation (Hydrological evaluation of plugging Dinero Tunnel to improve water quality; Analytic
ESAT Environmental Protection Agency Region 8 Superfund Program - Analytical Data Package for Cement Creek - A
ESAT Environmental Protection Agency Region 8 Superfund Program - Analytical Data Package for Cement Creek - A
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Letter re: 01/23/13 Request for Information Pursuant to Section 104(e) of CERCLA Regarding the Upper Animas Mi
Letter re: 01/23/13 Request for Information Pursuant to Section 104(e) of CERCLA Regarding the Upper Animas Mi
Cover Letter re: Confidential Documents Produced in Response to Request for Information Pursuant to Section 104
Letter re: Response to Requests for Information, Regarding: Kinross Gold Corp. is responding to the U.S. EPA's Janu
Cover Letter re: Response to Requests for Information, Regarding: Copies of both Sunnyside Gold Corp. and Kinross
Letter re: Response to Requests for Information, Regarding: Efforts to improve water quality and habitats in the An
Region 8 START 3 Contract, TDD No. 1008-0013 - Mod Request for TDD Amendment - Redacted
Email concerning Upper Animas Mining District TDD 1008-0013 Mod needed with attachment. E-mail and attachm

Redacted version of Email RE: Upper Animas new TDD

Region 8 START 3 Contract, Mod Request for TDD Amendment - Redacted

Email concerning TDD mod needed with attachment. Claimed CBI information in the attachment has been redacted

Upper Animas Mining District TDD Mod Table - Redacted

Email concerning Upper Animas Mining District TDD Mod with attached table. Claimed CBI in attached table has be

Upper Animas Mod Cost Sheet with Task detail - Redacted

Email Re: TDD status - Upper Animas Mod with Task detail attached. Claimed CBI information in Attachment has be

Additional Tasks and Details Table Showing Specific Numbers. Claimed CBI Table has been Redacted - Cost for Unan

Email regarding Modifications of TDD for ARR with attached table showing specific numbers. Claimed CBI in attache

Redacted version of Region 8 START 3 Contract, Technical Direction Documents - Site Assessment (Task Order #001

Redacted version of EPA START 3, Technical Direction Documents - Site Assessment (Task Order #0014) TDD #TO-11

Redacted version of Handwritten notes re: the TDD status of UAMD/UCE w/attached START 3, TDDs - Site Assessm

Redacted version of EPA START 3, Technical Direction Document - Site Assessment (Task Order #0014) TDD #: TO-1

Redacted Version of 2012 Upper Cement Creek HRS TDD - Region 8 START 3 Contract No. EP-W-05-050 - Technical D

Water Data Validated - DataValidation.accdb (Access database)

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Summary Scoresheets for Computing Projected HRS Score (Quickscore). May 4, 2011. 12 pages

Photograph - Red & Bonita Ferricrete Dead Zone DSC00208 06272005.JPG

Photograph - 13 American Tunnel CC19 WQ Sampling Site 09142010

Photograph - 62 ViewFromMogulTails 06032010.JPG

Cover Letter w/attached START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13, Revised Draft Repor

Quickscore Scoresheets and Narrative, June 21, 2011 - 7 pages, HRS Preliminary Score

Web Page: USGS Surface Water Data for Colorado - USGS Surface-Water Annual Statistics - Ref. 17

Chain of Custody Form: START EPA Contract No. EP-W-05-050, Case No. 40755 - ALS Laboratory Gourp - DATAC - Ba

Quick Reference Fact Sheet: Using Qualified Data to Document an Observed Release and Observed Contamination - O

Quick Reference Fact Sheet: Establishing Background Levels - Directive 9285.7-19FS - Bates #000001-000007, Ref. 1

Transmittal Cover Sheet and First Page - START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-01 - Field

Transmittal Letter w/attached: Draft - START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1005-04 - Trip Re

Transmittal Letter w/attached: START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13 - Trip Report fo

Quadrangle Location Map - Silverton, CO. - Ref. 5

Quadrangle Location Map - Ironton, CO. - Ref. 4

Memorandum: Latitude and Longitude of Sample Point UASW006 Designated as the Center of the Upper Cement C

Superfund Chemical Data Matrix Methodology - Ref. 2

Geologic Framework: Chapter E1 of Integrated Investigations of Environmental Effects of Historical Mining in the A

History of Mining and Milling Practices and Production in San Juan County, Colorado, 1871-1991 - Chapter C of Inte

Generalized Geologic Map of Part of the Animas River Watershed and Vicinity, Silverton, Colorado

Integrated Investigations of Environmental Effects of Historical Mining in the Animas River Watershed - Vol 1 & 2

Final Analytical Results Report: START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13, Upper Animas

Final Analytical Results Report: START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13, Upper Animas

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Field Sampling Plans: START 3, EPA Region 8, Contract No. EP-W-05-050 - Field Sampling Plan, Upper Animas Minin

Field Sampling Plans: START 3, EPA Region 8, Contract No. EP-W-05-050 - Field Sampling Plan, Upper Animas Minin

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Field Sampling Plans: Transmittal Letter - START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13 - Fie

Field Sampling Plans: Transmittal Letter w/attached START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 10

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Final: OSWER/OSRTI Upper Cement Creek - National Priorities List (NPL) - Narrative Summary

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Cover Letter: START 3 EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-13 - Trip Report - Revision 1, for Aug

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Figure 1: Upper Cement Creek Source Locations Map

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 Metal & Nonmetal Mine Operator's Annual Report for the Year 1981 (Gold King Project; includes Inspector's Repor
 The Silverton Railroads, Gladstone Colorado (Internet article)
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Final Screening-Level Ecological Risk Assessment Work Plan - Cement Creek and Animas River Mining District

Letter re: CDPHE Comments on the November 2012 Draft Screening Level Ecological Risk Assessment for Upper Animas River

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Letter re: Draft Screening-Level Ecological Risk Assessment (SLERA) - Sunnyside Comments on SLERA

ESAT Region 8 Chain of Custody Form, U.S. Environmental Protection Agency Region 8 Superfund Program Analytic

ESAT Region 8 Chain of Custody Form, U.S. Environmental Protection Agency Region 8 Superfund Program Analytic

ESAT Region 8 Chain of Custody Form, U.S. Environmental Protection Agency Region 8 Superfund Program Analytic

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Complete Sample Delivery Group File (CSF) date CSF received 11/16/2010 - Upper Animas Mining District - Chain of Custody

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Complete Sample Delivery Group File (CSF) date CSF received 11/16/2010 - Upper Animas Mining District - Chain of Custody

DRAFT Screening-Level Ecological Risk Assessment

Cover letter: w/attached START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1005-04, Technical Memo - Final

Cover letter w/attached START 3, EPA Region 8, Contract No. EP-W-05-050, TDD No. 1008-01, Field Activities Report

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Field Activity Report Mine Adit Entry

CDPHE Quarterly Reports / FY 1998 w/attached comments and reviews from EPA

Letter re: Year End Report - Preliminary Assessment / Site Inspection Program FY 1994 -1995 w/attached quarterly reports

Letter re: Year End Report - Preliminary Assessment / Site Inspection Program FY 1996 w/attached quarterly reports

EPA Response to CDPHE Quarterly Report 1997 w/attached report

Complete Sample Delivery Group File (CSF) date CSF received 09/08/2011 - Chain of Custody, Upper Animas Mining District

Folder Contains 'Sampling & Analytical Data Files, EPA Golden Lab Data Package: Animas River 2009, Lab Service Report

Folder Contains 'Sampling & Analytical Data Files, EPA Golden Lab Data Package: Animas River 2009, Lab Service Report

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Baseline Sampling and Analysis Plan for Upper Cement Creek Water Quality Characterization, dated April 8, 2009

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Map - Figure 4. Upper Cement Creek Sample Locations San Juan County, Colorado

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Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1009-001 (EPA R8 Lab & Paragon Analytic

Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1009-034 (EPA R8 Lab & Paragon Analytic

Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1007-01 (EPA R8 Lab & Paragon Analytica

Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1006-01 (EPA R8 Lab & Paragon Analytica

Chain of Custody Form Project Name Animas River / Cement Creek LSR#: Not Included (EPA R8 Lab & Paragon Anal

Chain of Custody Form Project Name Animas River / Cement Creek LSR#: 1004001 (EPA R8 Lab & Paragon Analytica

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Draft Data/Charts from EPA Bill Schroeder Evaluation of EPA/BLM/ARSG Water Quality Data Collected During 6 Mo

Email Regarding: Viability of Targeted Listing in Upper Animas Watershed w/Attached Metal Load Tables

START3 file Contents (File for Gladstone)

Email Regarding EPA/BLM Collected Water Quality Data (Site Links)

Email Regarding Excel Spreadsheets of EPA/BLM Collected Water Quality Data (Larry Perino's Comments)

ASRG Bibliography of ARSG Reports and Videos in the Silverton Library

Miscellaneous Handwritten Notes AMD Field Testing Facility and ARSG Document

Email to EPA Staff Regarding Trip to Silverton and Area Issues Regarding Listing of Possible Solution

William Schroeder Field Notebooks, Animas River, July 1998-September 2010 "Full"

Final Report: Berkeley Pit Innovative Tech Proj: H.P.T. Research, Inc Demo: Mine Waste Technology Program Activit

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Faxed information re locations of Red Bonita Mine, Silver Ledge Mine and Mogul Mine, including sampling data
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Science for Watershed Decisions on Abandoned Mine Lands: Review of Preliminary Results, Denver Colorado Febru

Animas River Biological Macroinvertebrate Investigation and Monitoring Project
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"CSF CHAIN OF CUSTODY FORM" (CASE NUMBER: 25043, SDG NUMBER: HR66; DATA INCLUDED)
"CSF CHAIN OF CUSTODY FORM" (CASE NUMBER: 25043, SDG NUMBER: HR66; DATA INCLUDED)
"CSF CHAIN OF CUSTODY FORM" (CASE NUMBER: 25043, SDG NUMBER: HR66; DATA INCLUDED)
"CSF CHAIN OF CUSTODY FORM" (CASE NUMBER: 25043, SDG NUMBER: HR66; DATA INCLUDED)
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"COMPLETE SAMPLE DELIVERY GROUP FILE (CSF) EVIDENCE AUDIT CHECKLIST" (RAS NUMBER: 25007, SDG NUMBE
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(LETTER TRANSMITTING A COPY OF THE LABORATORY ANALYSIS OF WELL WATER)
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REQUEST FOR ROUTINE ANALYTICAL SERVICES
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DATA VALIDATION REPORT FOR CASE NO. 25043, MHDB46 FOR THE CEMENT CREEK WATERSHED PROJECT
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Images

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al Results Upper Animas - Water & Seds - April & May 2014, TDF: A-034, WO: #C140406, & #C140508 - w/CD

al Results Cement Creek - TOX Initial 2 - November 2012, TDF: DG-322, WO: #C121107 & #C121108 - w/CD

Parameters for Grand Mogul Mine Project Soil and Waste Rock; Site Assessment Work Plan, Mogul and Grand M

75D Minisipper - dated August 2013; TDF: DG-383; LIMS: C130807

73 Minisipper - dated August 2013; TDF: DG-383; LIMS: C130806

72 Minisipper - dated August 2013; TDF: DG-383; LIMS: C130805

urface Water - dated August 2013; TDF: DG-383; LIMS: C130804

urface Water & Soils - dated May 2013; TDF: DG-363; LIMS: C130504

ox Final - dated April 2013; TDF: DG-322; LIMS: C130411

ox Initial - dated April 2013; TDF: DG-322; LIMS: C130410

ox Final - dated January 2013; TDF: DG-322; LIMS: C130101

ox Final - dated November 2012; TDF: DG-322; LIMS: C121108

ox Initial - dated November 2012; TDF: DG-322; LIMS: C121107

urface Water & Seds - dated October 2012; TDF: DG-322; LIMS: C121012

nvertebrate - dated October 2012; TDF: DG-322; LIMS: C121106

ox Water - dated October 2012; TDF: DG-322; LIMS: C121019

ox Water - dated October 2012; TDF: DG-322; LIMS: C121018

SAT - dated May 2012; TDF: DG-322; LIMS: C120508

al Data Package for Upper Animas / Cement Creek - A75D Minisipper August 2013; TDF: DG-383; Work Order #C13

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al Data Package for Upper Animas / Cement Creek - A72 Minisipper August 2013; TDF: DG-383; Work Order #C1308

al Data Package for Upper Animas / Cement Creek - Surface Water August 2013; TDF: DG-383; Work Order #C1308

al Data Package for Upper Animas / Cement Creek Site - Surface Water & Soils May 2013; TDF: DG-363; Work Orde

al Data Package for Upper Animas / Cement Creek Site - Tox Final April 2013; TDF: DG-322; Work Order #C130411; T

al Data Package for Upper Animas / Cement Creek Site - Tox Initial April 2013; TDF: DG-322; Work Order #C130410

al Data Package for Upper Animas / Cement Creek Site - Tox Final January 2013; TDF: DG-322; Work Order #C13010

al Data Package for Upper Animas / Cement Creek Site - Tox Initial December 2012; TDF: DG-322; Work Order #C12

al Data Package for Upper Animas / Cement Creek Site - Invertebrate October 2012; TDF: DG-322; Work Order #C1

al Data Package for Upper Animas / Cement Creek Site - Tox Final October 2012; TDF: DG-322; Work Order #C1210

al Data Package for Upper Animas / Cement Creek Site - Tox Initial October 2012; TDF: DG-322; Work Order #C1210

al Data Package for Upper Animas / Cement Creek - Surface Water & Seds Oct 2012; TDF: DG-322; Work Order #C1

al Data Package for Upper Animas / Cement Creek Site - ESAT May 2012; TDF: DG-322; Work Order #C120508; Tech

ing District w/attached Response by Washington Mining to the U.S. EPA's request for Information Pursuant to Sect

ing District w/attached Response by Mueller Industries, Inc. to the U.S. EPA's request for Information Pursuant to S

(e) of CERCLA Regarding Upper Animas Mining District w/attached CD containg CBI documents

PDF 16321013 Request for Information pursuant to Section 104(e) of CERCLA, 42 U.S.C 9604(e) w/attached Certificat

Gold Corporation's Response to EPA's Request for Information dated 01/16/2013. (no/enclosures)

PDFs River w/attached Certificate

PDF 1

PDF 2 contained claimed CBI information that has been redacted.

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Anticipated Tasks

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~~PDF~~ FD-12#TO-1008-13, Contract No. EP-W-05-050 w/attached Amendment #s B, C, D and E

~~PDF~~ 09, Contract No. EP-W-05-050 and Amendment #A - Increase Funding on the Project to Cover a Slight Overage

~~PDF~~ (Task Order #0014) TDD #TO-1106-05, Contract No. EP-W-05-050, Amendment #A & Supporting Documents - ma

~~PDF~~ 05 Amendment #B, Contract No. EP-W-05-050 - Increase Funding and LOE

~~PDF~~ 05 Amendment #B, Contract No. EP-W-05-050 - Increase Funding and LOE

Section Documentation (TDD), Completion date 12/31/2012

PDF 1

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~~PDF~~ Historic Information

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~~PDF~~ Revision 1 - for August 2011 Sampling and Field Activities, Upper Animas Mining District - Appendix A-C (Signed an

PDF 7

PDF 2

~~PDF~~ #000001-000008, Ref. 16

~~PDF~~ 18 285.7-14FS - Bates #000001-000018, Ref. 15

~~PDF~~ 7

Activities Report - Red and Bonita Mine Site - Table A, Bates #0001-#0002, Ref. 10 (no attachments)

~~PDF~~ 3 and Technical Summary - Mogul and Grand Mogul Mines - Tables A & B, Bates #001-003, Ref. 9

~~PDF~~ 09 August 2011 Sampling and Field Activities, Upper Animas Mining District - Ref. 7, Bates #000001-000089

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~~PDF~~ 1 Site - Ref. 3

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~~PDF~~ 3 Animas River Watershed, San Juan County, Colorado

~~PDF~~ 4 Investigations of Environmental Effects of Historical Mining in the Animas River Watershed

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~~PDF~~ Mining District - Analytical Results Report (ARR) for Site Reassessment

~~PDF~~ 6 Mining District - Analytical Results Report (ARR) for Site Reassessment - Appendices A through D, Vol. 2

~~PDF~~ Analytical Results Report (ARR) - (Signature Page Only)

~~PDF~~ District - Redline w/Changes

~~PDF~~ District - Redline w/Changes, version 2

~~PDF~~ District - Redline w/Changes and Comments

~~PDF~~ District - Redline w/Changes

District - Updated Version w/Redline
 Sampling Plan, Upper Animas Mining District - (no attachment)
 Addendum to the Approved Field Sampling Plan-Supplemental Sampling, Upper Animas Mining District - (n
 Addendum to the Approved Field Sampling Plan-Supplemental Sampling, Upper Animas Mining District - ma
 District - (Signature Page w/o Signatures)
 District - (Updated Version)
 Upper Animas Mining District - (Signature Page)
 Field Sampling Plan, Upper Animas Mining District - (no attachments)
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 Upper Animas Mining District, dated October 21, 2010 (no attachments)
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 Appendix C through D, Ref. 06e, Bates No. 000449 through 000555
 Appendix B, Bates No. 000331 through 000448
 Appendix C, Bates No. 000201 through 000330
 Appendix A through B, Bates No. 000080 through 000200
 Bates No. 000001 through 000079 - (Signed)
 Technical Summary - Mogul and Grand Mogul Mines (w/o attachments) - unsigned
 PDF 7
 Ref Metals - ug/L (ppb)
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 for August 2011 Sampling and Field Activities - Upper Animas Mining District - Approved 12/07/2011
 2011 Sampling and Field Activities - Upper Animas Mining District - Approved 12/07/2011 (w/o attachments)
 Mining District / Upper Cement Creek - HRS Quickscore 3.0.3 and Scoring Narrative - Site Reassessment
 PDF 1
 Mining District - HRS Quickscore 3.0.3 and Scoring Narrative w/Comments - marginalia
 Division 1 for August 2011 - Sampling and Field Activities, Upper Animas District (notes on yellow sticky covering lett
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 1008-13 - Trip Report, Upper Animas Mining District - (approved by Sabrina Forrest on 01/18/2011)
 050, TDD No. 1008-13 - Trip Report, Upper Animas Mining District and Comments - marginalia
 1008-13 - Analytical Results Report, Upper Animas Mining District (w/o attachments)
 Micrograms Per Liter (mcg/l) Parts Per Billion (ppb)
 Scope - Site Reassessment Preliminary Quick Score
 W-05-050, TDD No. 1008-13 (no signature or attachments)
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 per Kilogram (mg/kg) Parts Per Million (ppm)
 Quickscore - marginalia
 Mile Downstream Target Distance Limits - Map
 15 Mile Downstream Target Distance Limits - Map
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Animas Mining District, TDD No. 1008-13 (w/o attachments)

Arsenic, Cadmium, Manganese & Zinc

Water Results - Arsenic, Cadmium, Manganese & Zinc

Water Results - Arsenic, Cadmium, Manganese & Zinc

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Cement Creek at Silverton; Internet publication)

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dated 3/10 - 11/1924, 11/8/1923, and State of Colorado Division of Mines Department of Natural Resources Info

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File Report 99-0038

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Report - Upper Animas River Basin

loading to the Upper Animas River Basin

ing Done & What Can Be Done to Improve Water Quality? (The Geological Society of America Reviews in Engineerin

include URS Operating Services Inc. Data Validation Reports and transmittal letter)

PDF 2

PDF 12

Appendix D: Silverton Drinkingwater Results) (Preliminary Assessment - PASI Sites - PA/SI Watershed)

Upper Animas River Basin

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PDF 14

Surface Water Right; Certificate of Mailing attached)

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Contract #EP-W-05-050, TDD #0812-01 (Transmittal letter attached)

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Appendix A Analytical Results Report for Site Reassessment (ARR Text plus Table 1)

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Map of San Juan County, Colorado

Appendices A through D, Upper Animas Mining District, Silverton, San Juan County, Colorado

Supplemental Sampling Upper Animas Mining District, Silverton, San Juan County, Colorado

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ABF 3, TDD No. 0812-01

Locations & Elevated Metal Concentrations Map, UOS - START 3, TDD No. 1008-13

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Diagram of Sub-Basin Drainages to Total Loading (and Concentrations)

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Map of Gulch

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Map with Depth - Figure 6, Map dated 10/23/91

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PDF 2

Map of Upper Cement Creek Area

Map of Cement Creek and Upper Cement Creek Area

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~~PDF 3~~ Animas Mining District, San Juan County, Colorado

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PDF 3

al Results Upper Animas - Waters - October 2010, TDF: DG-216 , LIMS: C101101

al Results Upper Animas - Rush Water - October 2010, TDF: DG-214, LIMS: C101004

al Results Upper Animas - Rush SED - October 2010, TDF: DG-214, LIMS: C101003

Custody Case #40755, SDG #MH36L0, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data

Custody Case #40755, SDG #MH35H7, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data

Custody Case #40755, SDG #MH35G5, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data

Custody Case #40755, SDG #MH35E5, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data

Custody Case #40755, SDG #H36L0, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data Pa

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Custody Case #40755, SDG #H35G5, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data P

Custody Case #40755, SDG #H35E5, Lab Name: ALS Laboratory Group - Contract Laboratory Program (CLP), Data P

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~~PDF 125~~ Removal Site Assessment for Mogul and Grand Mogul Mine Dumps

~~PDF 124~~ Grand Bonita Mine, Silverton, San Juan County

~~PDF 123~~ Grand Bonita Mine, Silverton, San Juan County

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~~Report~~

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District - Case #41730, SDG #MH30H7, Lab Name: Sentinel, Inc. - Contract Laboratory Program (CLP), Data Package

quest (LSR) R8090063 (Amended report) Includes 07/22/09 signed transmittal letter, folder dated 05/26/09)

quest (LSR) R8090063 (Includes 10/22/09 signed transmittal letter)

quest (LSR) R8090066 (Includes 07/17/09 signed transmittal letter, folder dated 06/19/09)

quest (LSR) R8090066 (Includes 10/23/09 signed transmittal letter)

quest (LSR) R8090067 (Includes 08/19/09 signed transmittal letter, folder dated 07/20/09)

quest (LSR) R8090067 (Includes 10/26/09 signed transmittal letter)

quest (LSR) R8090068

quest (LSR) R8090068 (Includes 10/26/09 signed transmittal letter)

quest (LSR) R8090069

quest (LSR) R8090069 (Includes 02/01/10 signed transmittal letter)

quest (LSR) R8090070 (Includes 02/05/10 signed transmittal letter, folder dated 11/20/09)

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Characterization Reporting Period September 16, 2006 to March 15, 2007
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PDF, Project 7 w/attached CD (Water treatment information from ORD, BLM, CIWT-RCTS, and other systems)
PDF ARSG (Water treatment information from ORD, BLM, CIWT-RCTS, and other systems)
2003-2006 Water treatment information from ORD, BLM, CIWT-RCTS, and other systems)
PDF RCTS, and other systems)
PDF Creek and Supper Gold King Mine, Gladstone, San Juan County, CO (Water treatment information from ORD, BL
PDF Water treatment information from ORD, BLM, CIWT-RCTS, and other systems)
PDF BLM, CIWT-RCTS, and other systems)
PDF 9
PDF 11

PDF4745, 1998

pdf Watershed (incomplete title page and content page only)
 pdf Geology of Animas River Watershed Rocks Near Silverton, CO

Appendix 4

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PDF 9

PDF 1

pH King, Mogul, Gran Mogul, Dissolved metals Discrete Flow Mixtures Total Flowrate and Average Concentrations
 Loading Calculations w/ attached other data tables

PDF 19

PDF 1

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Streams Affected by Mine Drainage

PDF 3

Flow Rate and pH Setpoint Selection

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PDF 4 MANGEN & ZINC (MARGINALIA)

D:\SANJUAN, COUNTY, COLORADO TO IDENTIFY POTENTIAL WATER LOSS ZONES (SUMMARY OF GPS DATA, RECOM

REPORT (CHARTS & DATA)

DEFINED BY PRINCIPAL COMPONENTS ANALYSIS (CONCENTRATIONS IN MILLIGRAMS PER LITER)

5 BY BRIANT KIMBALL, NOT ATTACHED, TRANSMISSION ONLY)

DESCRIPTION OF MAP UNITS ATTACHED)

NO MARGINALIA)

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PERIOD OF RECORD.--CHEMICAL ANALYSES: OCT. 1993 TO CURRENT YEAR. WATER QUALITY DATA, WATER YEAR OF
FD(113) STANDARD OPERATING PROCEDURE FOR WELL DEVELOPMENT/ HOLLOW STEM AUGER WELL CONSTRUCTION
OF THE TOTAL LOAD, UNLESS INDICATED: MILLIGRAMS PER SECOND MG/S) (TABLE 2: CEMENT CREEK ADITS - DISS
CD(158)

INVERTEBRATE DATA FORM COLORADO DIVISION OF WILDLIFE, TABLE 3: WATER CHEMISTRY DATA MAGGIE GULCH

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5.2.2 METAL LOADING TO THE SYSTEM

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PER ANIMAS WATERSHED SAN JUAN COUNTY, COLORADO

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PLEASE LOG-IN SHEET, RAW DATA TOC DATA FROM ACCU-LABS RESEARCH, INC.)

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/ AMBIENT AIR /FIELD SAMPLING, APPENDICES, EXIBITS & TABLES ATTACHED)

OLVED HIGH FLOW (H) / LOW FLOW (L) LOADS 1, ATTACHED)

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